



U.S. Department of
Transportation Federal
Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020 Electronic Tracking Number
Exp: 8/31/2014

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 44701). Failure to report can result in a civil penalty not for each such violation (49 U.S.C. 46301(a))

1. Aircraft	Nationality and Registration Mark	Serial No.	
	N400PW	2003	
	Make	Model	Series
	Pilatus	PC-12	47E
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)	
	PILATUS BUSINESS AIRCRAFT, LTD.	11755 AIRPORT WAY BROOMFIELD, CO 80021 USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT	_____	_____	_____
☐	☐	PROPELLER	_____	_____	_____
☐	☐	APPLIANCE	Type	_____	_____
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	
PILATUS BUSINESS AIRCRAFT, LTD. 11755 AIRPORT WAY BROOMFIELD, CO 80021 USA	☐ U.S. Certified Mechanic	Manufacturer
	☐ Foreign Certified Mechanic	C. Certificate No.
	☒ Certified Repair Station	_____
	☐ Certified Maintenance Organization	_____

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual
	Sergio S. Robles _____ Jun 09, 2020

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	☒ Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No.	Signature/Date of Authorized Individual
_____	Sergio S. Robles _____ Jun 09, 2020

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attached additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

PC-12/47E

S/N 2003

N400PW

Nationality and Registration Mark

Jun 09, 2020

Date

This aircraft has been modified by the installation of the following:

Installation of Auxiliary Fuel Tank Provisions

Modified the fuel system by installing a "Cross Fitting P/N AN827-10D, Check Valve P/N 869A-10TT, Fuel Line Assemblies P/N 2X-2000-30-0002, a Fuel Line Bracket P/N 2X-2000-32-0003 in the left wing in accordance with Pilatus drawing 2X-2000-30-0003 Rev.-, 12-1305-32-0005 Rev. -, and 12-1500-32-0065 Rev. A approved by DERT-636371-NM on FAA form 8110-3 dated Jun 09, 2020.

Installed a Wing Root Fuel Fitting Feed Through in the left wing root fuselage between FR station F21-F22 consisting of a doubler P/N 12-1305-32-0005, and a fitting elbow feed through P/N AN837-10D in accordance with Pilatus drawings 2X-2000-30-0002 Rev. C, 2X-2000-30-0003 Rev. -, and 2X-2000-61-0000 Rev. - approved by DERT-230116-CE on FAA form 8110-3 dated May 26, 2020. The fitting through the fuselage was capped and the fuel lines leaked checked. The ferry tank provisions feed directly into the engine's fuel supply line. Ferry tank installations should ensure that no air is introduced into the fuel system.

Instructions for Continued Airworthiness (ICA): At this time components are installed "on condition". Refer to Pilatus Business Aircraft drawings listed above for replacement components. Documents can be found in Aircraft Documentation Records. The approved installation drawing 12-1305-30-0002 Rev. C is subject to additional requirements for inspections and limits to be included as part of the airworthiness limitations section of the instructions for continued airworthiness. These inspection requirements are the same as specified within the Pilatus Aircraft Maintenance Manual (AMM), Document Number 02436 as specified by section 4 of TM-12-000430, issue 01.

The above installations meet the requirements for static loading in accordance with AC 43.13-2B Chapter 1, Paragraph 103 (d) and Paragraph 104 (a) and materials and methods were chosen and employed in accordance with AC 43.13-2B Chapter 1, Paragraphs 106 through 114. It is noted that this approval is for 14 CFR 23.571 and 14 CFR 23.573 and is not an approval for 14 CFR 23.1529. Future ferry tank installations must follow FAA regulations as specified in 14 CFR 43 Appendix B (d).

All required functional ground checks have been completed with satisfactory results. Weight and balance records are revised. Further details of this installation are on file at Pilatus Business Aircraft, Ltd. under Work Package **2163**

*****NOTHING FOLLOWS*****

☒ Additional Sheets Are Attached